



SOCIETY OF ECONOMIC GEOLOGISTS, INC.

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Student Chapter Annual Report Cover Page

Submission Deadline: September 30th

Submit to: studentprograms@segweb.org

Month/Year Reported: From 10/2021 (mm/yyyy) – To 9/2022 (mm/yyyy)

STUDENT CHAPTER:

Check if update needed at segweb.org

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University Affiliation: Kyushu University

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Dedicated E-mail: segkyudai2019@gmail.com

Website: Kyushu University Student Chapter logo (see attached report)

Logo: https://www.facebook.com/SEGKyudai/

Facebook: _____

Twitter: _____

Instagram: _____

LinkedIn: _____

YouTube: https://www.youtube.com/channel/UCzYND7FQV_y p11SXqBcz_fa

Chapter Executive Committee (*in office during the time frame captured on this report*) (type "Vacant" if position not filled):
The new committee is reported on the Student Chapter Membership Information form (SCMIF).

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Name E-mail

Secretary: Makwela Denson makwela.denson.683@s.kyushu-u.ac.jp
Name E-mail

Treasurer: Michitaka Aruga aruga.michitaka.677@s.kyushu-u.ac.jp
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Sponsoring Institution or Company(name): Kyushu University



SEG KYUSHU UNIVERSITY STUDENT CHAPTER – SEGKYUDAI

ANNUAL REPORT 2021-2022

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Introduction

The present report summarizes the main activities carried out by the SEG Kyushu University Student Chapter (SEGKyudai) from September 2021 to September 2022. The fulfilment of the activities was strongly hampered by the COVID-19 outbreak. However, we were able to take advantage of an online meeting application to receive seminars from prominent professors from various countries. In addition, we succeeded in getting many people to participate in the seminar by jointly organizing it with the SEG students' chapter of Akita University.

Acknowledgments

We are indebted to our academic advisor, Dr. Yonezu Kotaro, Professor Akira Imai and Dr. Thomas Tindell for their support and guidance in our journey. The Economic Geology Laboratory (Kyushu University) and the Society of Economic Geologists are highly acknowledged for the financial and institutional support. We're grateful to the SEGKyudai members, the SEG Akita members and our guests for their engagement to the achievement of the Chapter's 2021-2022 objectives.

Summary of activities

1. Meetings

In order to ensure the effective materialization of the proposed plan of activities, the executive committee held a number of meetings throughout the year. Discussed topics include the planification of the field excursion, the discussion on the social media advertisings, the planning of monthly seminars, etc. Due to the limitations imposed by the pandemic, the meetings were held through online platforms (Fig. 1).

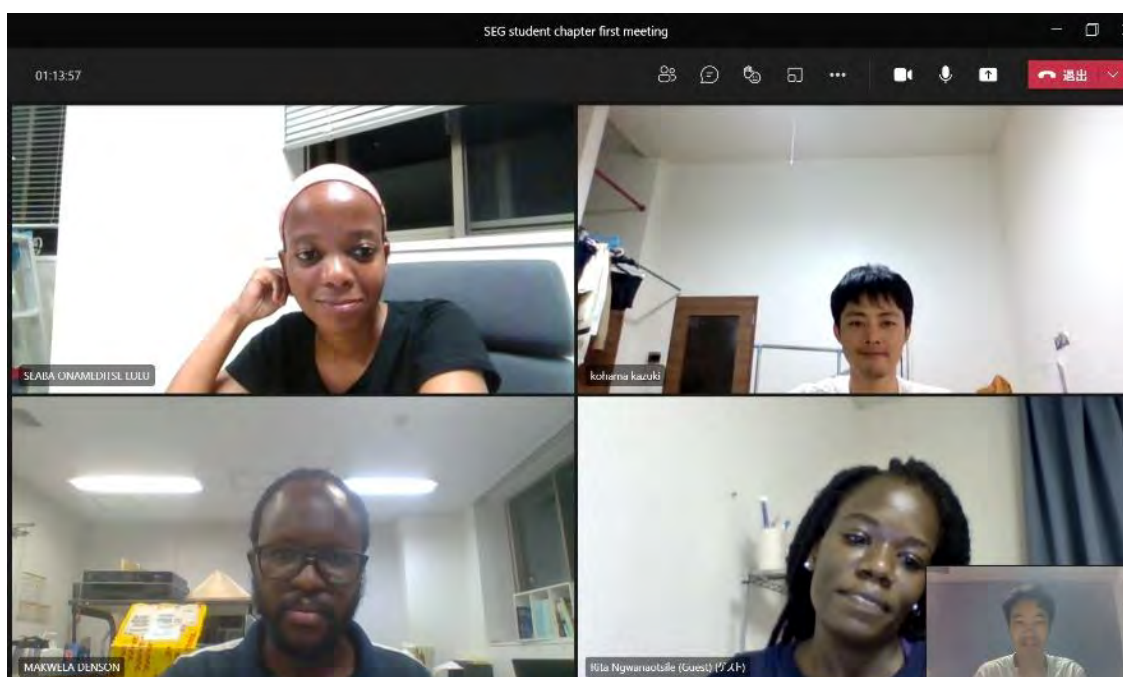


Fig. 1 First online meeting of the executive committee in May 2021.

2. Monthly Seminars

During the reporting period we had five monthly seminars. Four seminars were held online due to covid 19 and busy schedule of guest speakers (Table 1). Online seminars provided us with some advantages over face-to-face seminars:

(1) we were able to host renowned researchers from different parts of the world, who would find it difficult to travel to Kyushu due to their busy schedules and/or lack of funding.

(2) online platforms allowed us to cover a very diverse group of participants, from different research institutions, companies, and universities, with whom we exchanged experiences and forged future collaborations.

Furthermore, we have started co-hosting of seminar with SEG students' chapter of Akita University (Fig 2) . Fortunately, the restrictions in Corona were weakened and Professor Keiko Hattori of the University of Ottawa was invited to Kyushu University to give a lecture (Fig.3).

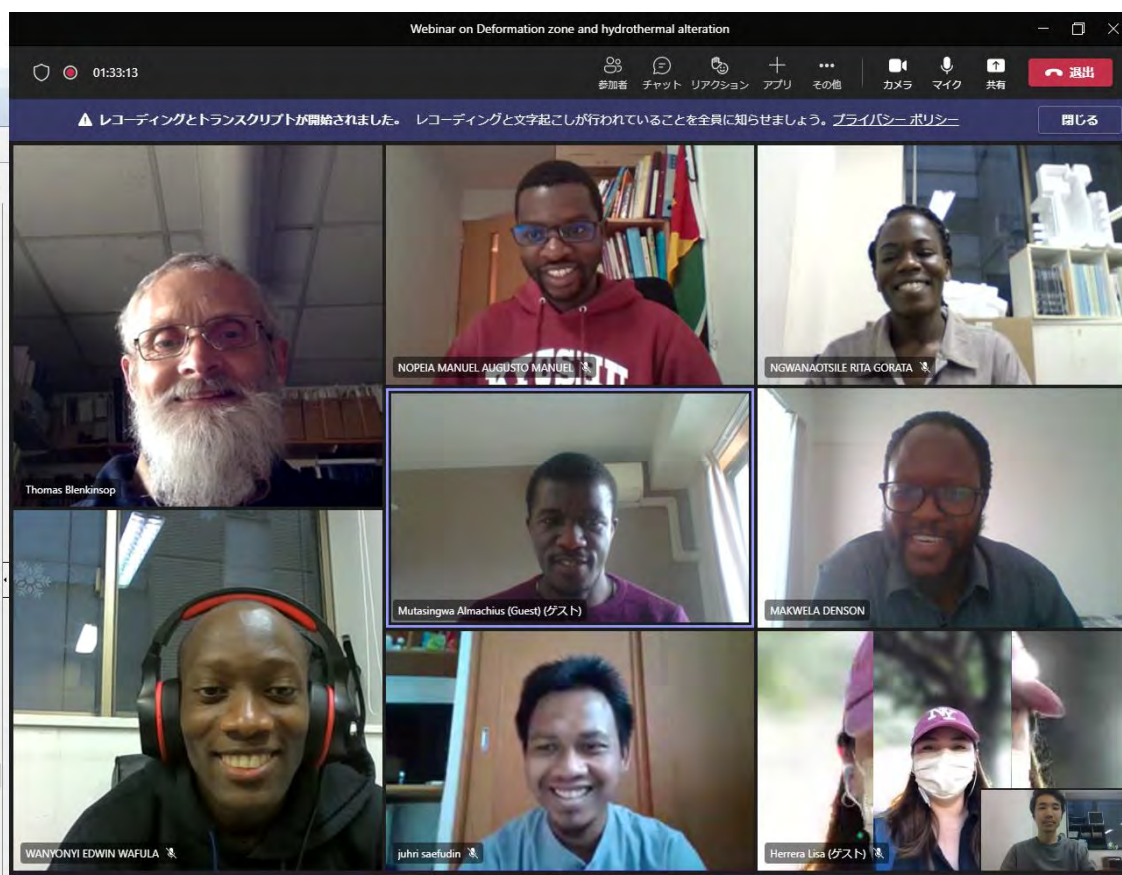


Fig. 2 Group photo with part of the participants, at the end of a lecture presented by Prof. Thom Blenkinsop



Fig. 3 Group photo after the first face-to-face lecture in a long time. We are very grateful to Professor Hattori for coming from so far away.

Table 1: list of monthly seminars organised.

No	Date	Guest Speaker	Affiliation	Country	Title of Presentation
1	04/04/2022	Prof. Zhaoshan Chang	Colorado School of Mines	USA	Alteration and Metal Zoning Pattern in Skarns
2	04/05/2022	Prof. Thomas Blenkinsop	Cardiff University	UK	Deformation zones and hydrothermal minerals.
3	18/05/2022	Douglas J. Kirwin	SEG Honorary Lecturer for 2022	Thailand	Sediment-Hosted Gold Deposits in Southeast Asia

4	17/06/2022	Keiko Hattori	International Exchange Lecturer for 2022	Canada/Japan	Use of Zircons in Mineral Exploration: Opportunities and Cautionary Notes
5	05/08/2022	Prof. Hartwig Frimmel	University of Wurzburg	Chile	Witwatersrand: The great controversy on the genesis of the world's richest Gold Province

3. Field excursion

In our first schedule, we have planned to have 19 participants for the field trip to Yamaguchi prefecture. However, the actual field trip was held with 12 members. Therefore, we did not use up our budget in one field trip. Since we knew that our field trip was not enough for our topic, we had the second field trip to Tagawa skarn province.

Our first field trip was held in Yamaguchi prefecture, and visited oxidized, magnetite series granite in Ito-campus, Kyushu university, Yamato skarn deposit, Naganobori skarn deposit (both skarn deposits are related with the reduced, ilmenite series granite), and limestone cave in occurring in the formation that hosts numbers of skarn deposits. The main purpose of the field trip was to learn the relationships between different granite and related skarn types. 12 participants joined the field trip, and 10 joined the whole trip. The trip was guided by Dr. Tetsuya Nakanishi, who is the associated professor in the museum of Kyushu university. He studies not only about the deposits, but also the history of smelting at the Naganobori deposit, therefore we had a good opportunity to study the deposits and its related history.

In the first field trip, we visited skarn deposits only related to the reduced, ilmenite series granite. Therefore, we had a second field trip to the Tagawa skarn province,

Fukuoka prefecture. Tagawa skarn province hosts several skarn deposits related to oxidized, magnetite series granite, and we measured the magnetic susceptibility of the granite by using magnetic susceptibility meter. Through our two field trips, we managed to visit both oxidized, magnetite series granite, reduced, ilmenite series granite and confirmed the relationships between different granite series with different skarn types.



Figure.4 Group photo during the field excursion in Yamaguchi prefecture. Photo was taken in Akiyoshi-dai

4. Conferences, Workshops and Short Courses

SEG Kyudai members were encouraged to join conferences, workshops, and short courses related to economic geology. These conferences are Society of Resource Geology Annual Meeting, Cooperative International-Network for Earth Science and Technology, Goldschmidt Conference 2022, SEG Student Chapters Earth Day

Symposium, Japan Geoscience Union Annual meeting. In these conferences, the SEG Kyudai members attended as oral and poster presenters and solely as participants. In SEG Student Chapters Earth Day Symposium, Manuel Nopeia presented his research to the participants.

Future plans

For the next term we have proposed the following plan of activities:

- Organize and conduct the Stewart R. Wallace Funded field trip, which is scheduled for December 2022, depending on the coronavirus restrictions in Kyushu;
- Continue hosting public seminars, both remote and presential lectures, depending on the Covid-19 situation in Japan;
- Organize a variety of virtual software short courses
- Get interacted with other SEG student chapters. (Currently we host some seminars with Akita University)
- Establish a fundraising initiative through a membership campaign within SEG Kyudai.

New SEG-Kyudai Executive Committee

We had elected our new executive committee to serve from October 2022 to September 2023.

Bellow are the new rosters of the SEG-Kyudai executive committee.

President: Michitaka Aruga

Vice-President: MUTASINGWA Almachius Tryphone

Secretary: Yuki Ishikawa

Treasurer: Makwela Denson

Other Exec. Member: Ngwanaotsile Rita Gorata

Table.1 Details of the fieldwork expenses

Date	Income(JPY)	Payment(JPY)	Remarks	Receipt number
	169467		Fund from SEG	
	114		Fund from participants	
2022/3/18-3/19		37510	Car rental	No 0658679, No 4023015344
2022/3/19		45600	Acommodation at Toyoko-inn Hotel	No 4029237
2022/3/20		13000	Cave fee	No 0222-0004
2022/3/19-3/20		14900	Highway fee	
2022/3/20		6952	Gas fee	No 7190-06, No 3499-01, No 1703, No 1702
2022/8/11		44660	Car rental fee	No 0650323, No 0650321, No 0650335
2022/8/11		3149	Gas fee	No 6237-05, No 6239-05, No 6143-05, No 6133-02
2022/8/11		3810	Highway fee	
Total	169581	169581		